BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER, RR NAGAR DIVISION

Name of Works : Improvements of CC Roads,Drains & Culverts in Lavakusha Nagara and Surrounding areas in ward no 69, Laggere

DETAILED ESTIMATE

No	Description of work	Unit	Nos	Dimensions in m			Estimated Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			5,00,00,000.00
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) Data Rate	Cum							
	For [illegible]								
	Rajarajeshwari Nagara								
	Raghavendra mutt		2	190.00	0.90		342.00		
	1st cross road		2	90.00	0.90		162.00		
	2nd cross road		2	105.00	0.90		189.00		
	3rd cross road		2	85.00	1.20		204.00		
	minor road		2	75.00	0.90		135.00		
	minor road		2	65.00	0.90		117.00		
	main road		2	202.00	0.90		363.60		
	cross road		2	110.00	0.90		198.00		
	ashwini public school road		2	100.00	1.20		240.00		
	cross road 1		2	105.00	1.20		252.00		
	cross road 2		2	75.00	1.20		180.00		
	cross road 3		2	112.00	1.20		268.80		
	3rd cross road		2	205.00	1.20		492.00		
	2nd cross road		2	210.00	1.20		504.00		
	banglore one off road		2	215.00	1.20		516.00		
	minor road		2	50.00	1.20		120.00		
	minor road		2	102.00	1.20		244.80		
	minor road		2	25.00	1.20		60.00		
	minor road		2	95.00	1.20		228.00		
	1st A main road		2	157.00	1.20		376.80		
	2nd cross road		2	251.00	1.20		602.40		
	3rd cross road		2	248.00	1.20		595.20		
	4th cross road		2	107.00	1.20		256.80		
	5th cross road		2	150.00	1.20		360.00		
	cross road		2	125.00	0.90		225.00		
	CHAMUNDESHWARI NAGARA								
	friends circle road		2	440.00	1.20		1056.00		
	devegowda park road		2	485.00	0.90		873.00		
	1st cross road		2	565.00	1.20		1356.00		
	rajani farm road		2	330.00	1.20		792.00		
	rajeshwari temple road		2	482.00	1.20		1156.80		
	main road		2	502.00	1.20		1204.80		
	2nd cross road		2	384.00	1.20		921.60		
	3rd cross road		2	370.00	0.90		666.00		
	4th cross road		2	248.00	0.90		446.40		
	1st A cross road		2	280.00	1.20		672.00		
	friends circle road 1st cross road		2	126.00	0.90		226.80		
	friends circle road 2nd cross road		2	304.00	0.90		547.20		
	friends circle road 3rd cross road		2	187.00	1.20		448.80		
	friends circle road 4th cross road		2	130.00	1.20		312.00		
	5th cross road		2	75.00	1.20		180.00		
	subcross road 1		2	42.00	1.20		100.80		
	subcross road 2		2	55.00	1.20		132.00		
	subcross road 3		2	44.00	0.90		79.20		

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
3rd main road		2	408.00	1.20		979.20		
Alphonsa school road		2	390.00	1.20		936.00		
7th cross road		1	235.00	1.20		282.00		
Missing And Broken Slab 40 %						-8240.40		
Data Rate					Total Quantity	12360.60	212.00	2620447.20
Data Rate	212.00							
Total Amount	212.00							

Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.In all kinds of soils Depth upto 1.5 m.Item No.1.4.1,Page No.A(5), Vol I CSR 21-22

	Cum							
For Corner Slab								
Ward No 57		177	15.00	0.60	0.62	987.66		
For Disilting								
Ward No 67								
Raghavendra mutt		2	190.00	0.60	0.60	136.80		
1st cross road		2	90.00	0.60	0.60	64.80		
2nd cross road		2	105.00	0.60	0.60	75.60		
3rd cross road		2	85.00	0.60	0.60	61.20		
minor road		2	75.00	0.60	0.60	54.00		
minor road		2	65.00	0.60	0.60	46.80		
main road		2	202.00	0.60	0.60	145.44		
cross road		2	110.00	0.60	0.60	79.20		
ashwini public school road		2	100.00	0.60	0.60	72.00		
cross road 1		2	105.00	0.60	0.60	75.60		
cross road 2		2	75.00	0.60	0.60	54.00		
cross road 3		2	112.00	0.60	0.60	80.64		
3rd cross road		2	205.00	0.60	0.60	147.60		
2nd cross road		2	210.00	0.60	0.60	151.20		
banglore one off road		2	215.00	0.60	0.60	154.80		
minor road		2	50.00	0.60	0.60	36.00		
minor road		2	102.00	0.60	0.60	73.44		
minor road		2	25.00	0.60	0.60	18.00		
minor road		2	95.00	0.60	0.60	68.40		
1st A main road		2	157.00	0.60	0.60	113.04		
2nd cross road		2	251.00	0.60	0.60	180.72		
3rd cross road		2	248.00	0.60	0.60	178.56		
4th cross road		2	107.00	0.60	0.60	77.04		
5th cross road		2	150.00	0.60	0.60	108.00		
cross road		2	125.00	0.60	0.60	90.00		
CHAMUNDESHWARI NAGARA								
friends circle road		2	440.00	0.60	0.60	316.80		
devegowda park road		2	485.00	0.60	0.60	349.20		
1st cross road		2	565.00	0.60	0.60	406.80		
rajani farm road		2	330.00	0.60	0.60	237.60		
rajeshwari temple road		2	482.00	0.60	0.60	347.04		
main road		2	502.00	0.60	0.60	361.44		
2nd cross road		2	384.00	0.60	0.60	276.48		
3rd cross road		2	370.00	0.60	0.60	266.40		
4th cross road		2	248.00	0.60	0.60	178.56		
1st A cross road		2	280.00	0.60	0.60	201.60		
friends circle road 1st cross road		2	126.00	0.60	0.60	90.72		

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	Description of work	Unit	Nos	Dimensions in m L in m	B in m	D in m	Quantity	Rate in Rs.	Amount in Rs.
	friends circle road 2nd cross road		2	304.00	0.60	0.60	218.88		
	friends circle road 3rd cross road		2	187.00	0.60	0.60	134.64		
	friends circle road 4th cross road		2	130.00	0.60	0.60	93.60		
	5th cross road		2	75.00	0.60	0.60	54.00		
	subcross road 1		2	42.00	0.60	0.60	30.24		
	subcross road 2		2	55.00	0.60	0.60	39.60		
	subcross road 3		2	44.00	0.60	0.60	31.68		
	RAJIV GANDHI NAGARA								
	3rd main road		2	408.00	0.60	0.60	293.76		
	Alphonsa school road		2	390.00	0.60	0.60	280.80		
	7th cross road		1	235.00	0.60	0.60	84.60		
						Total Quantity	7624.98	363.56	2772137.73
	Rate Analysis								
	Basic Rate	186.00							
	Loading & unLoading	118.00							
	Add for lead for earth (1.28 Tonne / Cum)	40.96							
	Area Weightage @10%	18.60							
	Total Amount	363.56							
3	Providing and laying in position **plain cement concrete Mix 1:3:6 (M10)** Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) (KWPD 2021-22, V-I, Item No.2.1.3, Page No.15)									
		Cum							
	For Corner Slab								
	Ward No 69		354	2.30	0.20	0.15	24.43		
						Total Quantity	24.43	6327.20	154548.19
	Rate Analysis								
	Basic Rate	5752.00							
	Area Weightage @10%	575.20							
	Total Amount	6327.20							
4	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.I.No 6.32 P.No 17 Volume 2 SR 2021-22								
		Sqm							
	For Corner Slab								
	Ward No 69		354	2.30		0.40	325.68		
	For Solid Block								
	Ward No 69								
	Raghavendra mutt		4	85.50		0.20	68.40		
	1st cross road		4	40.50		0.20	32.40		
	2nd cross road		4	47.25		0.20	37.80		
	3rd cross road		4	38.25		0.20	30.60		
	minor road		4	33.75		0.20	27.00		
	minor road		4	29.25		0.20	23.40		
	main road		4	90.90		0.20	72.72		
	cross road		4	49.50		0.20	39.60		
	ashwini public school road		4	45.00		0.20	36.00		

Scanned with CamScanner

Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
cross road 2		4	33.75		0.20	27.00		
cross road 3		4	50.40		0.20	40.32		
3rd cross road		4	92.25		0.20	73.80		
2nd cross road		4	94.50		0.20	75.60		
banglore one off road		4	96.75		0.20	77.40		
minor road		4	22.50		0.20	18.00		
minor road		4	45.90		0.20	36.72		
minor road		4	11.25		0.20	9.00		
1st A main road		4	42.75		0.20	34.20		
2nd cross road		4	70.65		0.20	56.52		
3rd cross road		4	112.95		0.20	90.36		
4th cross road		4	111.60		0.20	89.28		
5th cross road		4	48.15		0.20	38.52		
cross road		4	67.50		0.20	54.00		
CHAMUNDESHWARI NAGARA			56.25		0.20	45.00		
friends circle road		4	198.00					
devegowda park road		4	218.25		0.20	158.40		
1st cross road		4	254.25		0.20	174.60		
rajani farm road		4	148.50		0.20	203.40		
rajeshwari temple road		4	216.90		0.20	118.80		
main road		4	225.90		0.20	173.52		
2nd cross road		4	172.80		0.20	180.72		
3rd cross road		4	166.50		0.20	138.24		
4th cross road		4	111.60		0.20	133.20		
1st A cross road		4	126.00		0.20	89.28		
friends circle road 1st cross road		4	56.70		0.20	100.80		
friends circle road 2nd cross road		4	136.80		0.20	45.36		
friends circle road 3rd cross road		4	84.15		0.20	109.44		
friends circle road 4th cross road		4	58.50		0.20	67.32		
5th cross road		4	33.75		0.20	46.80		
subcross road 1		4	18.90		0.20	27.00		
subcross road 2		4	24.75		0.20	15.12		
subcross road 3		4	19.80		0.20	19.80		
RAJIV GANDHI NAGARA					0.20	15.84		
3rd main road		4	183.60		0.20	146.88		
Alphonsa school road		4	175.50		0.20	140.40		
7th cross road		2	105.75		0.20	42.30		
					Total Quantity	3644.34	1322.20	4818546.35

Rate Analysis	
Basic Rate	1202.00
Area Weightage @10%	120.20
Total Amount	1322.20

5 Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.Item No.8.19.1,Page No.44, Vol II SR 21-22

	Sqm							
Pointing								
Ward No 69								
Raghavendra mutt		4	85.50		0.20	68.40		
1st cross road		4	40.50		0.20	32.40		
2nd cross road		4	47.25		0.20	37.80		
3rd cross road		4	38.25		0.20	30.60		
minor road		4	33.75		0.20	27.00		
minor road		4	29.25		0.20	23.40		
main road		4	90.90		0.20	72.72		
cross road		4	49.50		0.20	39.60		

Scanned with CamScanner

Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
shwini public school		4	45.00		0.20	36.00		
road		4	47.25		0.20	37.80		
cross road 1		4	33.75		0.20	27.00		
cross road 2		4	50.40		0.20	40.32		
cross road 3		4	92.25		0.20	73.80		
3rd cross road		4	94.50		0.20	75.60		
2nd cross road		4	96.75		0.20	77.40		
bangalore one off road		4	22.50		0.20	18.00		
minor road		4	45.90		0.20	36.72		
minor road		4	11.25		0.20	9.00		
minor road		4	42.75		0.20	34.20		
minor road		4	70.65		0.20	56.52		
1st A main road		4	112.95		0.20	90.36		
2nd cross road		4	111.60		0.20	89.28		
3rd cross road		4	48.15		0.20	38.52		
4th cross road		4	67.50		0.20	54.00		
5th cross road		4	56.25		0.20	45.00		
cross road								
CHAMUNDESHWARI NAGARA								
friends circle road		4	198.00		0.20	158.40		
devegowda park road		4	218.25		0.20	174.60		
1st cross road		4	254.25		0.20	203.40		
rajani farm road		4	148.50		0.20	118.80		
rajeshwari temple road		4	216.90		0.20	173.52		
main road		4	225.90		0.20	180.72		
2nd cross road		4	172.80		0.20	138.24		
3rd cross road		4	166.50		0.20	133.20		
4th cross road		4	111.60		0.20	89.28		
1st A cross road		4	126.00		0.20	100.80		
friends circle road 1st cross road		4	56.70		0.20	45.36		
friends circle road 2nd cross road		4	136.80		0.20	109.44		
friends circle road 3rd cross road		4	84.15		0.20	67.32		
friends circle road 4th cross road		4	58.50		0.20	46.80		
5th cross road		4	33.75		0.20	27.00		
subcross road 1		4	18.90		0.20	15.12		
subcross road 2		4	24.75		0.20	19.80		
subcross road 3		4	19.80		0.20	15.84		
RAJIV GANDHI NAGARA								
3rd main road		4	183.60		0.20	146.88		
Alphonsa school road		4	175.50		0.20	140.40		
7th cross road		2	105.75		0.20	42.30		
					Total Quantity	3318.66	220.00	730105.20

Rate Analysis	
Basic Rate	200.00
Area Weightage @10%	20.00
Total Amount	220.00

6 Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately).Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate.Item No.2.1.4,Page No.15, Vol I SR 21-22

	Sqm							
Plastering								
Ward No69								
Raghavendra mutt		4	85.50	0.20	0.10	6.84		
1st cross road		4	40.50	0.20	0.10	3.24		

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
2nd cross road		4	47.25	0.20	0.10	3.78		
3rd cross road		4	38.25	0.20	0.10	3.06		
minor road		4	33.75	0.20	0.10	2.70		
minor road		4	29.25	0.20	0.10	2.34		
main road		4	90.90	0.20	0.10	7.27		
cross road		4	49.50	0.20	0.10	3.96		
ashwini public school road		4	45.00	0.20	0.10	3.60		
cross road 1		4	47.25	0.20	0.10	3.78		
cross road 2								
cross road 3		4	50.40	0.20	0.10	4.03		
3rd cross road		4	92.25	0.20	0.10	7.38		
2nd cross road		4	94.50	0.20	0.10	7.56		
banglore one off road		4	96.75	0.20	0.10	7.74		
minor road		4	22.50	0.20	0.10	1.80		
minor road		4	45.90	0.20	0.10	3.67		
minor road		4	11.25	0.20	0.10	0.90		
1st A main road		4	42.75	0.20	0.10	3.42		
2nd cross road		4	70.65	0.20	0.10	5.65		
3rd cross road		4	112.95	0.20	0.10	9.04		
4th cross road		4	111.60	0.20	0.10	8.93		
5th cross road		4	48.15	0.20	0.10	3.85		
cross road		4	67.50	0.20	0.10	5.40		
CHAMUNDESHWARI NAGARA			56.25	0.20	0.10	4.50		
friends circle road		4	198.00	0.20	0.10	15.84		
devegowda park road		4	218.25	0.20	0.10	17.46		
1st cross road		4	254.25	0.20	0.10	20.34		
rajani farm road		4	148.50	0.20	0.10	11.88		
rajeshwari temple road		4	216.90	0.20	0.10	17.35		
main road		4	225.90	0.20	0.10	18.07		
2nd cross road		4	172.80	0.20	0.10	13.82		
3rd cross road		4	166.50	0.20	0.10	13.32		
4th cross road		4	111.60	0.20	0.10	8.93		
1st A cross road		4	126.00	0.20	0.10	10.08		
friends circle road 1st cross road		4	56.70	0.20	0.10	4.54		
friends circle road 2nd cross road		4	136.80	0.20	0.10	10.94		
friends circle road 3rd cross road		4	84.15	0.20	0.10	6.73		
friends circle road 4th cross road		4	58.50	0.20	0.10	4.68		
5th cross road		4	33.75	0.20	0.10	2.70		
subcross road 1		4	18.90	0.20	0.10	1.51		
subcross road 2		4	24.75	0.20	0.10	1.98		
subcross road 3		4	19.80	0.20	0.10	1.58		
RAJIV GANDHI NAGARA								
3rd main road		4	183.60	0.20	0.10	14.69		
Alphonsa school road		4	175.50	0.20	0.10	14.04		
7th cross road		2	105.75	0.20	0.10	4.23		
					Total Quantity	329.17	6518.60	2145701.49
Rate Analysis								
Basic Rate	5926.00							
Area Weightage @10%	592.60							
Total Amount	6518.60							
7 Providing B S Slabs of selected quality roughly dressed having a size of 10cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete.as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)								
	Sqm							
Missing And Broken Slab 40 %						8240.40		

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	Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
	Rate Analysis								
	Basic Rate	837.00							
	Total Amount	837.00							
	Providing one line dressing to granite stone slab / granite stone masonry as per specifications. as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)								
	Missing And Broken Slab 40 %	Sqm							
							8240.40		
	Rate Analysis					Total Quantity	8240.40	242.00	1994176.80
	Basic Rate	242.00							
	Total Amount	242.00							
	Providing Machine Cutting edges to B S Slabs 2.5cms.wide as per Specifications.(Only Chamfered length Shall be recorded)inclusive of all taxes Complete.,as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)								
	Missing And Broken Slab 40 %	Sqm	1	6867.00	3.00		20601.00		
	Rate Analysis					Total Quantity	20601.00	390.00	8034390.00
	Basic Rate	390.00							
	Total Amount	390.00							
10	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (KWPD 2021-22, V-II, Item No.8.3.1, Page No.41)								
	Plastering	Sqm	354	2.30		0.40	325.68		
	Rate Analysis					Total Quantity	325.68	337.70	109982.14
	Basic Rate	307.00							
	Area Weightage @10%	30.70							
	Total Amount	337.70							
11	Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.20) Approved Data rate								
	New Rcc Drain 1200 cm	Sqm	53				53.00		
	Basic Rate	10492.00				Total Quantity	53.00	10492.00	556076.00
	Area Weightage @10%								
	Total Amount	10492.00							
12	Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.9 x 0.20) Approved Data rate								
	New Rcc Drain 900 cm	Sqm	124				124.00		
	Basic Rate	8051.00				Total Quantity	124.00	8051.00	998324.00
	Area Weightage @10%								
	Total Amount	8051.00							

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Providing & laying precast drain slab of 230 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge (1.2 x 0.23) Approved Data rate								
	Sqm							
Missing Slab Culverts		22	6.00	1.50				
50 % Missing						29.50		
Basic Rate	5440.98				Total Quantity	8.85		
Area Weightage @10%						8.85	5440.98	48152.67
Total Amount	5440.98							
Removing and resetting of kerb stones.Page No. 270								
	No's							
Ward No 57								
Raghavendra mutt		2	85.50			171.00		
1st cross road		2	40.50			81.00		
2nd cross road		2	47.25			94.50		
3rd cross road		2	38.25			76.50		
minor road		2	33.75			67.50		
minor road		2	29.25			58.50		
main road		2	90.90			181.80		
cross road		2	49.50			99.00		
ashwini public school road		2	45.00			90.00		
cross road 1		2	47.25			94.50		
cross road 2		0	0.00			0.00		
cross road 3		2	50.40			100.80		
3rd cross road		2	92.25			184.50		
2nd cross road		2	94.50			189.00		
banglore one off road		2	96.75			193.50		
minor road		2	22.50			45.00		
minor road		2	45.90			91.80		
minor road		2	11.25			22.50		
minor road		2	42.75			85.50		
1st A main road		2	70.65			141.30		
2nd cross road		2	112.95			225.90		
3rd cross road		2	111.60			223.20		
4th cross road		2	48.15			96.30		
5th cross road		2	67.50			135.00		
cross road		2	56.25			112.50		
CHAMUNDESHWARI NAGARA		0	0.00			0.00		
friends circle road		2	198.00			396.00		
devegowda park road		2	218.25			436.50		
1st cross road		2	254.25			508.50		
rajani farm road		2	148.50			297.00		
rajeshwari temple road		2	216.90			433.80		
main road		2	225.90			451.80		
2nd cross road		2	172.80			345.60		
3rd cross road		2	166.50			333.00		
4th cross road		2	111.60			223.20		
1st A cross road		2	126.00			252.00		
friends circle road 1st cross road		2	56.70			113.40		
friends circle road 2nd cross road		2	136.80			273.60		
friends circle road 3rd cross road		2	84.15			168.30		
friends circle road 4th cross road		2	58.50			117.00		
5th cross road		2	33.75			67.50		
subcross road 1		2	18.90			37.80		
subcross road 2		2	24.75			49.50		
subcross road 3		2	19.80			39.60		

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
RAJIV GANDHI NAGARA		0	0.00			0.00		
1st main road		2	183.60			367.20		
Alphonsa school road		2	175.50			351.00		
7th cross road		1	105.75			105.75		
Missing & Broken35 %						-2880.20		
						5348.95		
Data Rate	118.00							
Total	118.00					5348.95	118.00	631175.81

Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165mm respectively,400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork,curing including cost of materials,labour charges of machinery,loading and unloading,lead and lift,transportation etc., complete as directed by the Engineer in charge of the work (Excluding GST and Area Leading Charges)

	No's							
Missing & Broken35 %								
Length/0.45						2880.20		
Data Rate	507.00							
Total	507.00					6400.45	507.00	3245028.15

Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces.Painting Two Coats on New Concrete Surfaces.**Item No.8.1,Page No.56, Vol III SR 21-22**

	Sqm							
		1	8229.15			2468.75		
					0.30			
Basic Rate	85.00					2468.75	93.50	230827.66
Area Weightage @ 10%	8.50							
Total	93.50							

Road Works

Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of & other appurtenances required to complete the workIn all kinds of soils upto 300 mm depth..**Item No.1.12,Page No.8, Vol I SR 21-22**

CONCRETE ROAD	Cum							
W0098		1	37.80	4.00	0.30	45.36		
W0106		1	43.80	3.80	0.30	49.93		
W0108		1	45.80	4.00	0.30	54.96		
Indian Post Office		1	47.70	3.90	0.30	55.81		
Winter Plus Solar		1	40.80	3.90	0.30	47.74		
Guru Paripuri		1	33.80	3.70	0.30	37.52		
W0196		1	126.60	5.50	0.30	208.89		
W0402		1	177.40	4.70	0.30	250.13		
						750.34	112.46	84383.12
Basic Rate	65.00							
Add for lead for earth (1.25 Tonne / Cum) 10km	40.96							
Area Weightage @ 10%	6.50							

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401. **Granular Sub-Base/Plant Mix Method. Materia Item No.4.1(V),Page No.19, Vol III SR-21-22**								
CONCRETE ROAD	Cum							
W0098		1	37.80	4.00	0.15	22.68		
W0106		1	43.80	3.80	0.15	24.97		
W0108		1	45.80	4.00	0.15	27.48		
Indian Post Office		1	47.70	3.90	0.15	27.90		
Winter Plus Solar		1	40.80	3.90	0.15	23.87		
Guru Panipuri		1	33.80	3.70	0.15	18.76		
W0196		1	126.60	5.50	0.15	104.45		
W0402		1	177.40	4.70	0.15	125.07		
						375.17	2,581.70	968575.10
Basic Rate	2347.00							
Area Weightage @ 10%	234.70							
Total	2581.70							

Construction of **dry lean cement** concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing.**Item No.6.1,Page No.43, Vol III SR 21-22**

CONCRETE ROAD	Cum							
W0098		1	37.80	4.00	0.15	22.68		
W0106		1	43.80	3.80	0.15	24.97		
W0108		1	45.80	4.00	0.15	27.48		
Indian Post Office		1	47.70	3.90	0.15	27.90		
Winter Plus Solar		1	40.80	3.90	0.15	23.87		
Guru Panipuri		1	33.80	3.70	0.15	18.76		
W0196		1	126.60	5.50	0.15	104.45		
W0402		1	177.40	4.70	0.15	125.07		
						375.17	4615.60	1731632.34
Basic Rate	4196.00							
Area Weightage @ 10%	419.60							
Total	4615.60							

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
construction of rm reinforced plain cement concrete pavement using M 30 grade using Cement 2708 gs & CC 080 design (1:1.5:3 proportion) From ISO 9001 accredited plants as per IS 4926-2003 with mix design procedure and mix design as per design,over a prepared sub base.The Super plasticiser conforming to IS 9103:1999 Reaffirmed- 2004,Coarse aggregates and Fine aggregates confirming to IS 383:2016, transported to site, laid in approved fixed side form work (Steel Channel,Laying and Fixing of 125 micron thick polythene film,wedges,steel plates including handling the form work).Spreding the concrete with shovels,rackers and compacted using needle,suitable plate vibrator and finished in a continous operation including provision of separation membrane and Hessian cloth finishing to lines and grades complete including cost of all materials,labour,all lead & lift,loading Charges as per specification & direction of Engineer-in charge of the work..(Excluding the Cost of Groove cutting)								
CONCRETE ROAD	Cum							
W0098		1	37.80	4.00	0.15	22.68		
W0106		1	43.80	3.80	0.15	24.97		
W0105		1	45.80	4.00	0.15	27.48		
Indian Post Office		1	47.70	3.90	0.15	27.90		
Winter Plus Solar		1	40.80	3.90	0.15	23.87		
Guru Panipuri		1	33.80	3.70	0.15	18.76		
W0196		1	126.60	5.50	0.15	104.45		
W0402		1	177.40	4.70	0.15	125.07		
						375.17	7334.80	2751793.25
Basic Rate	6668.00							
Area Weightage @ 10%	666.80							
Total	7334.80							

Construction Total Amount	4,15,23,218.00
Add GST Charges 18%	74,74,179.24
Add Detailed Project Report (DPR) and PMC Charges 2.0%	10,00,000.00
Sub Total	4,99,97,397.24
Miscellaneous and unforeseen charges etc.L.S	2,602.76
Grand Total	5,00,00,000.00

Certificate:

1. The work spot has been inspected and found to be necessary
2. The provisions made in the estimate are necessary and minimum
3. The estimate is based on CSR of 2021-22 of Issue Rates on 07.04.2022

Assistant Engineer
Ward No 69

Asst Exe Engineer
Laggere Sub Division

Executive Engineer
RR Nagar Division

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BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER, RR NAGAR DIVISION

ame of Works : Comprehensive Development of Roads & Drains in Lavakusha
gara, Muneshwara Nagara and Surrounding areas in W No.69 under PACKAGE-
2022-23 RRN-DIV-(13).

DETAILED ESTIMATE

Estimated Cost= 5,00,00,000.00

Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Removing & Refixing stone slabs of drains and pointing in C.M (1:3) Data Rate								
	Cum							
MUNESHWARA LAYOUT								
5th cross road		2	62.00	0.90		111.60		
2nd cross road		2	90.00	0.90		162.00		
6th cross road		2	118.00	0.90		212.40		
9th cross road		2	180.00	1.20		432.00		
10th cross road		2	185.00	0.90		333.00		
9th cross road (W0260)		2	190.00	0.90		342.00		
W0229		2	43.00	0.90		77.40		
2nd cross road (W0286)		2	33.00	0.90		59.40		
w0290		2	36.00	1.20		86.40		
10th cross road (W0294)		2	128.00	1.20		307.20		
5th cross road (w0353)		2	90.00	1.20		216.00		
14th cross road (w0322)		2	60.00	1.20		144.00		
2nd cross road (w0336)		2	102.00	1.20		244.80		
1st cross road (w0342)		2	178.00	1.20		427.20		
w0355-3rd cross		2	152.00	1.20		364.80		
w0357-4th cross		2	116.00	1.20		278.40		
w0361-5th cross		2	120.00	1.20		288.00		
w0363-6th cross		2	130.00	1.20		312.00		
w0367-2nd cross		2	118.00	1.20		283.20		
w0377-3rd Cross		2	105.00	1.20		252.00		
w0379-4th cross		2	94.00	1.20		225.60		
w0381-9th cross		2	140.00	1.20		336.00		
w0385-10th cross		2	57.00	1.20		136.80		
w0344-11th cross		2	195.00	1.20		468.00		
1st cross road		2	110.00	0.90		198.00		
w0338-8th cross		2	110.00	1.20		264.00		
w0332-7th Cross		2	108.00	0.90		194.40		
w0330-6th Cross		2	112.00	1.20		268.80		
w0328-5th cross		2	108.00	1.20		259.20		
w0316-3rd cross		2	102.00	1.20		244.80		
w0304-2nd cross		2	90.00	0.90		162.00		
w0296-1st cross		2	76.00	1.20		182.40		
L G RAMANNA LAYOUT								
1st main road		2	498.00	1.20		1195.20		
2nd main road		2	160.00	0.90		288.00		
jnannavardhaka school		2	225.00	1.20		540.00		
cross road		2	123.00	1.20		295.20		
cross road(MjP hotel)		2	102.00	1.20		244.80		
ragavendhra swamy temple road		2	~~168.00~~	~~1.20~~		~~403.20~~		

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
4th Cross		2	88.00	1.20		211.20		
Road(tirumala								
revision)		2	376.00	0.90				
2nd A cross road		2	70.00	0.90				
3rd cross road		2	65.00	1.20		676.80		
2nd cross road		2	123.00	0.90		126.00		
3rd main road		2	186.00	0.90		156.00		
3rd cross road						221.40		
VIDHANA SOUDHA LAYOUT						334.80		
3rd cross road		2	450.00	1.20				
vidhanasoudha main		2	186.00	1.20		1080.00		
road		2	150.00	1.20		446.40		
w0003		2	196.00	1.20				
w0035		2	148.00	1.20		360.00		
w0023-6th Cross		2	80.00	0.90		470.40		
w0018-5th cross		2	85.00	0.90		355.20		
w0012-4th cross		2	86.00	1.20		144.00		
w0008-3rd Cross		2	140.00	0.90		153.00		
w0019		2	60.00	0.90		206.40		
w0016		2	186.00	0.90		252.00		
2nd main road		2	45.00	1.20		108.00		
w0027		2	35.00	1.20		334.80		
w0029		2	50.00	1.20		108.00		
w0014		2	83.00	0.90		84.00		
w0026		2	274.00	0.90		120.00		
w0031						149.40		
RAJIV GANDHI NAGARA						493.20		
nanjundeshwara temple		2	388.00	1.20				
road		2	503.00	1.20		931.20		
3rd main road		2	494.00	0.90		1207.20		
4th main road		2	192.00	0.90		889.20		
kapila nagara 5th main						345.60		
road								
Missing And Broken Slab 40 %						-8321.76		
Data Rate					Total Quantity	12482.64	212.00	2646319.68
Data Rate	212.00							
Total Amount	212.00							

2 Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work.In all kinds of soils Depth upto 1.5 m.Item No.1.4.1,Page No.A(5), Vol I CSR 21-22

	Cum							
For Corner Slab								
Ward No 17		177	15.00	0.60	0.62	987.66		
For Disilting								
Ward No 17								
5th cross road		2	62.00	0.60	0.60	44.64		
2nd cross road		2	90.00	0.60	0.60	64.80		
6th cross road		2	118.00	0.60	0.60	84.96		
9th cross road		2	180.00	0.60	0.60	129.60		
10th cross road		2	185.00	0.60	0.60	133.20		
9th cross road (W0260)		2	190.00	0.60	0.60	136.80		
W0229		2	43.00	0.60	0.60	30.96		
2nd cross road (W0286)		2	33.00	0.60	0.60	23.76		
w0290		2	36.00	0.60	0.60	25.92		

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
7th cross road (W0294)		2	128.00	0.60	0.60	92.16		
9th cross road (w0353)		2	90.00	0.60	0.60	64.80		
14th cross road (w0322)		2	60.00	0.60	0.60	43.20		
2nd cross road (w0336)		2	102.00	0.60	0.60	73.44		
1st cross road (w0342)		2	178.00	0.60	0.60	128.16		
w0355-3rd cross		2	152.00	0.60	0.60	109.44		
w0357-4th cross		2	116.00	0.60	0.60	83.52		
w0361-5th cross		2	120.00	0.60	0.60	86.40		
w0363-6th cross		2	130.00	0.60	0.60	93.60		
w0367-2nd cross		2	118.00	0.60	0.60	84.96		
w0377-3rd Cross		2	105.00	0.60	0.60	75.60		
w0379-4th cross		2	94.00	0.60	0.60	67.68		
w0381-9th cross		2	140.00	0.60	0.60	100.80		
w0385-10th cross		2	57.00	0.60	0.60	41.04		
w0344-11th cross		2	195.00	0.60	0.60	140.40		
1st cross road		2	110.00	0.60	0.60	79.20		
w0338-8th cross		2	110.00	0.60	0.60	79.20		
w0332-7th Cross		2	108.00	0.60	0.60	77.76		
w0330-6th Cross		2	112.00	0.60	0.60	80.64		
w0328-5th cross		2	108.00	0.60	0.60	77.76		
w0316-3rd cross		2	102.00	0.60	0.60	73.44		
w0304-2nd cross		2	90.00	0.60	0.60	64.80		
w0296-1st cross		2	76.00	0.60	0.60	54.72		
L G RAMANNA LAYOUT								
1st main road		2	498.00	0.60	0.60	358.56		
2nd main road		2	160.00	0.60	0.60	115.20		
jnannavardhaka school		2	225.00	0.60	0.60	162.00		
cross road		2	123.00	0.60	0.60	88.56		
cross road(MjP hotel)		2	102.00	0.60	0.60	73.44		
ragavendhra swamy temple road		2	168.00	0.60	0.60	120.96		
5th Cross Road(tirumala provision)		2	88.00	0.60	0.60	63.36		
2nd A cross road		2	376.00	0.60	0.60	270.72		
3rd cross road		2	70.00	0.60	0.60	50.40		
2nd cross road		2	65.00	0.60	0.60	46.80		
3rd main road		2	123.00	0.60	0.60	88.56		
3rd cross road		2	186.00	0.60	0.60	133.92		
VIDHANA SOUDHA LAYOUT		0	0.00	0.60	0.60	0.00		
3rd cross road		2	450.00	0.60	0.60	324.00		
vidhanasoudha main road		2	186.00	0.60	0.60	133.92		
w0003		2	150.00	0.60	0.60	108.00		
w0005		2	196.00	0.60	0.60	141.12		
w0023-6th Cross		2	148.00	0.60	0.60	106.56		
w0018-5th cross		2	80.00	0.60	0.60	57.60		
w0012-4th cross		2	85.00	0.60	0.60	61.20		
w0008-3rd Cross		2	86.00	0.60	0.60	61.92		
w0019		2	140.00	0.60	0.60	100.80		
w0016		2	60.00	0.60	0.60	43.20		
2nd main road		2	186.00	0.60	0.60	133.92		
w0027		2	45.00	0.60	0.60	32.40		
w0029		2	35.00	0.60	0.60	25.20		
w0014		2	50.00	0.60	0.60	36.00		
w0026		2	83.00	0.60	0.60	59.76		
w0031		2	274.00	0.60	0.60	197.28		
RAJIV GANDHI NAGARA								

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
nanjundeshwara temple road		2	388.00	0.60	0.60	279.36		
3rd main road		2	503.00	0.60	0.60	362.16		
4th main road		2	494.00	0.60	0.60	355.68		
kapila nagara 5th main road		2	192.00	0.60	0.60	138.24		
					Total Quantity	7865.82	363.56	2859697.52
Rate Analysis								
Basic Rate	186.00							
Loading & unLoading	118.00							
Add for lead for earth (1.28 Tonne / Cum)	40.96							
Area Weightage @10%	18.60							
Total Amount	363.56							
Providing and laying in position **plain cement concrete Mix 1:3:6 (M10)** Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) (KWPD 2021-22, V-I, Item No.2.1.3, Page No.15)									
	Cum							
For Corner Slab								
Ward No 67		354	2.30	0.20	0.15	24.43		
					Total Quantity	24.43	6327.20	154548.19
Rate Analysis								
Basic Rate	5752.00							
Area Weightage @10%	575.20							
Total Amount	6327.20							
Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.I.No 6.32 P.No 17 Volume 2 SR 2021-22								
	Sqm							
For Corner Slab								
Ward No 67		354	2.30		0.40	325.68		
For Solid Block								
Ward No 67								
5th cross road		4	31.00		0.20	24.80		
2nd cross road		4	45.00		0.20	36.00		
6th cross road		4	59.00		0.20	47.20		
9th cross road		4	90.00		0.20	72.00		
10th cross road		4	92.50		0.20	74.00		
9th cross road (W0260)		4	95.00		0.20	76.00		
W0229		4	27.09		0.20	21.67		
2nd cross road (W0286)		4	21.45		0.20	17.16		
w0290		4	23.40		0.20	18.72		
10th cross road (W0294)		4	83.20		0.20	66.56		
5th cross road (w0353)		4	58.50		0.20	46.80		
14th cross road (w0322)		4	39.00		0.20	31.20		
2nd cross road (w0336)		4	66.30		0.20	53.04		

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
1st cross road (w0342)		4	115.70		0.20	92.56		
w0355-3rd cross		4	98.80		0.20	79.04		
w0357-4th cross		4	75.40		0.20	60.32		
w0361-5th cross		4	78.00		0.20	62.40		
w0363-6th cross		4	84.50		0.20	67.60		
w0367-2nd cross		4	76.70		0.20	61.36		
w0377-3rd Cross		4	68.25		0.20	54.60		
w0379-4th cross		4	61.10		0.20	48.88		
w0381-9th cross		4	91.00		0.20	72.80		
w0385-10th cross		4	37.05		0.20	29.64		
w0344-11th cross		4	126.75		0.20	101.40		
1st cross road		4	71.50		0.20	57.20		
w0338-8th cross		4	71.50		0.20	57.20		
w0332-7th Cross		4	70.20		0.20	56.16		
w0330-6th Cross		4	72.80		0.20	58.24		
w0328-5th cross		4	70.20		0.20	56.16		
w0316-3rd cross		4	66.30		0.20	53.04		
w0304-2nd cross		4	58.50		0.20	46.80		
w0296-1st cross		4	49.40		0.20	39.52		
L G RAMANNA LAYOUT		0	0.00		0.20	0.00		
1st main road		4	323.70		0.20	258.96		
2nd main road		4	104.00		0.20	83.20		
jnannavardhaka school		4	146.25		0.20	117.00		
cross road		4	79.95		0.20	63.96		
cross road(MjP hotel)		4	66.30		0.20	53.04		
ragavendhra swamy temple road		4	109.20		0.20	87.36		
5th Cross Road(tirumala provision)		4	57.20		0.20	45.76		
2nd A cross road		4	244.40		0.20	195.52		
3rd cross road		4	45.50		0.20	36.40		
2nd cross road		4	42.25		0.20	33.80		
3rd main road		4	79.95		0.20	63.96		
3rd cross road		4	120.90		0.20	96.72		
VIDHANA SOUDHA LAYOUT								
3rd cross road		4	292.50		0.20	234.00		
vidhanasoudha main road		4	120.90		0.20	96.72		
w0003		4	97.50		0.20	78.00		
w0005		4	127.40		0.20	101.92		
w0023-6th Cross		4	96.20		0.20	76.96		
w0018-5th cross		4	52.00		0.20	41.60		
w0012-4th cross		4	55.25		0.20	44.20		
w0008-3rd Cross		4	55.90		0.20	44.72		
w0019		4	91.00		0.20	72.80		
w0016		4	39.00		0.20	31.20		
2nd main road		4	120.90		0.20	96.72		
w0027		4	29.25		0.20	23.40		
w0029		4	22.75		0.20	18.20		
w0014		4	32.50		0.20	26.00		
w0026		4	53.95		0.20	43.16		
w0031		4	178.10		0.20	142.48		
RAJIV GANDHI NAGARA								
nanjundeshwara temple road		4	252.20		0.20	201.76		
3rd main road		4	326.95		0.20	261.56		
4th main road		4	321.10		0.20	256.88		
kapila nagara 5th main road		4	124.80		0.20	99.84		
					Total Quantity	5193.55	1322.20	6866914.45

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Basic Rate	1202.00							
Area Weightage @10%	120.20							
Total Amount	1322.20							
Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.Item No.8.19.1,Page No.44, Vol II SR 21-22								
	Sqm							
Pointing								
Ward No 67								
5th cross road		4	31.00		0.20	24.80		
2nd cross road		4	45.00		0.20	36.00		
6th cross road		4	59.00		0.20	47.20		
9th cross road		4	90.00		0.20	72.00		
10th cross road		4	92.50		0.20	74.00		
9th cross road (W0260)		4	95.00		0.20	76.00		
W0229		4	27.09		0.20	21.67		
2nd cross road (W0286)		4	21.45		0.20	17.16		
w0290		4	23.40		0.20	18.72		
10th cross road (W0294)		4	83.20		0.20	66.56		
5th cross road (w0353)		4	58.50		0.20	46.80		
14th cross road (w0322)		4	39.00		0.20	31.20		
2nd cross road (w0336)		4	66.30		0.20	53.04		
1st cross road (w0342)		4	115.70		0.20	92.56		
w0355-3rd cross		4	98.80		0.20	79.04		
w0357-4th cross		4	75.40		0.20	60.32		
w0361-5th cross		4	78.00		0.20	62.40		
w0363-6th cross		4	84.50		0.20	67.60		
w0367-2nd cross		4	76.70		0.20	61.36		
w0377-3rd Cross		4	68.25		0.20	54.60		
w0379-4th cross		4	61.10		0.20	48.88		
w0381-9th cross		4	91.00		0.20	72.80		
w0385-10th cross		4	37.05		0.20	29.64		
w0344-11th cross		4	126.75		0.20	101.40		
1st cross road		4	71.50		0.20	57.20		
w0338-8th cross		4	71.50		0.20	57.20		
w0332-7th Cross		4	70.20		0.20	56.16		
w0330-6th Cross		4	72.80		0.20	58.24		
w0328-5th cross		4	70.20		0.20	56.16		
w0316-3rd cross		4	66.30		0.20	53.04		
w0304-2nd cross		4	58.50		0.20	46.80		
w0296-1st cross		4	49.40		0.20	39.52		
L.G RAMANNA LAYOUT								
1st main road		4	323.70		0.20	258.96		
2nd main road		4	104.00		0.20	83.20		
jnannavardhaka school		4	146.25		0.20	117.00		
cross road		4	79.95		0.20	63.96		
cross road(MjP hotel)		4	66.30		0.20	53.04		
ragavendhra swamy temple road		4	109.20		0.20	87.36		
5th Cross Road(tirumala provision)		4	57.20		0.20	45.76		
2nd A cross road		4	244.40		0.20	195.52		
3rd cross road		4	45.50		0.20	36.40		
2nd cross road		4	42.25		0.20	33.80		
3rd main road		4	79.95		0.20	63.96		
[illegible]		4	120.90		0.20	96.72		

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
VIDHANA SOUDHA LAYOUT								
3rd cross road		4	292.50					
vidhanasoudha main road		4	120.90		0.20	234.00		
w0003		4	97.50		0.20	96.72		
w0005		4	127.40		0.20	78.00		
w0023-6th Cross		4	96.20		0.20	101.92		
w0018-5th cross		4	52.00		0.20	76.96		
w0012-4th cross		4	55.25		0.20	41.60		
w0008-3rd Cross		4	55.90		0.20	44.20		
w0019		4	91.00		0.20	44.72		
w0016		4	39.00		0.20	72.80		
2nd main road		4	120.90		0.20	31.20		
w0027		4	29.25		0.20	96.72		
w0029		4	22.75		0.20	23.40		
w0014		4	32.50		0.20	18.20		
w0026		4	53.95		0.20	26.00		
w0031		4	178.10		0.20	43.16		
RAJIV GANDHI NAGARA		0	0.00		0.20	142.48		
nanjundeshwara temple road		4	252.20		0.20	0.00		
3rd main road		4	326.95		0.20	201.76		
4th main road		4	321.10		0.20	261.56		
kapila nagara 5th main road		4	124.80		0.20	256.88		
						99.84		
Rate Analysis					**Total Quantity**	**4867.87**	**220.00**	**1070931.84**
Basic Rate	200.00							
Area Weightage @10%	20.00							
Total Amount	**220.00**							

Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately).Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate.Item No.2.1.4,Page No.15, Vol I SR 21-22

	Sqm							
Plastering								
Ward No 61								
5th cross road		4	31.00	0.20	0.10	2.48		
2nd cross road		4	45.00	0.20	0.10	3.60		
6th cross road		4	59.00	0.20	0.10	4.72		
9th cross road		4	90.00	0.20	0.10	7.20		
10th cross road		4	92.50	0.20	0.10	7.40		
9th cross road (W0260)		4	95.00	0.20	0.10	7.60		
W0229		4	27.09	0.20	0.10	2.17		
2nd cross road (W0286)		4	21.45	0.20	0.10	1.72		
w0290		4	23.40	0.20	0.10	1.87		
10th cross road (W0294)		4	83.20	0.20	0.10	6.66		
5th cross road (w0353)		4	58.50	0.20	0.10	4.68		
14th cross road (w0322)		4	39.00	0.20	0.10	3.12		
2nd cross road (w0336)		4	66.30	0.20	0.10	5.30		
1st cross road (w0342)		4	115.70	0.20	0.10	9.26		
w0355-3rd cross		4	98.80	0.20	0.10	7.90		
w0357 4th cross		4	75.40	0.20	0.10	6.03		

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
w0361-5th cross		4	78.00	0.20	0.10	6.24		
w0363-6th cross		4	84.50	0.20	0.10	6.76		
w0367-2nd cross		4	76.70	0.20	0.10	6.14		
w0377-3rd Cross		4	68.25	0.20	0.10	5.46		
w0379-4th cross		4	61.10	0.20	0.10	4.89		
w0381-9th cross		4	91.00	0.20	0.10	7.28		
w0385-10th cross		4	37.05	0.20	0.10	2.96		
w0344-11th cross		4	126.75	0.20	0.10	10.14		
1st cross road		4	71.50	0.20	0.10	5.72		
w0338-8th cross		4	71.50	0.20	0.10	5.72		
w0332-7th Cross		4	70.20	0.20	0.10	5.62		
w0330-6th Cross		4	72.80	0.20	0.10	5.82		
w0328-5th cross		4	70.20	0.20	0.10	5.62		
w0316-3rd cross		4	66.30	0.20	0.10	5.30		
w0304-2nd cross		4	58.50	0.20	0.10	4.68		
w0296-1st cross		4	49.40	0.20	0.10	3.95		
L G RAMANNA LAYOUT		0	0.00	0.20	0.10	0.00		
1st main road		4	323.70	0.20	0.10	25.90		
2nd main road		4	104.00	0.20	0.10	8.32		
jnannavardhaka school		4	146.25	0.20	0.10	11.70		
cross road		4	79.95	0.20	0.10	6.40		
cross road(MjP hotel)		4	66.30	0.20	0.10	5.30		
ragavendhra swamy temple road		4	109.20	0.20	0.10	8.74		
5th Cross Road(tirumala provision)		4	57.20	0.20	0.10	4.58		
2nd A cross road		4	244.40	0.20	0.10	19.55		
3rd cross road		4	45.50	0.20	0.10	3.64		
2nd cross road		4	42.25	0.20	0.10	3.38		
3rd main road		4	79.95	0.20	0.10	6.40		
3rd cross road		4	120.90	0.20	0.10	9.67		
VIDHANA SOUDHA LAYOUT								
3rd cross road		4	292.50	0.20	0.10	23.40		
vidhanasoudha main road		4	120.90	0.20	0.10	9.67		
w0003		4	97.50	0.20	0.10	7.80		
w0005		4	127.40	0.20	0.10	10.19		
w0023-6th Cross		4	96.20	0.20	0.10	7.70		
w0018-5th cross		4	52.00	0.20	0.10	4.16		
w0012-4th cross		4	55.25	0.20	0.10	4.42		
w0008-3rd Cross		4	55.90	0.20	0.10	4.47		
w0019		4	91.00	0.20	0.10	7.28		
w0016		4	39.00	0.20	0.10	3.12		
2nd main road		4	120.90	0.20	0.10	9.67		
w0027		4	29.25	0.20	0.10	2.34		
w0029		4	22.75	0.20	0.10	1.82		
w0014		4	32.50	0.20	0.10	2.60		
w0026		4	53.95	0.20	0.10	4.32		
w0031		4	178.10	0.20	0.10	14.25		
RAJIV GANDHI NAGARA		0	0.00	0.20	0.10	0.00		
nanjundeshwara temple road		4	252.20	0.20	0.10	20.18		
3rd main road		4	326.95	0.20	0.10	26.16		
4th main road		4	321.10	0.20	0.10	25.69		
kapila nagara 5th main road		4	124.80	0.20	0.10	9.98		
					Total Quantity	486.79	6518.60	3173171.04

Rate Analysis	
Basic Rate	5926.00
Area Weightage @10%	592.60
Total Amount	6518.60

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	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
	Providing B S Slabs of selected quality roughly dressed having a size of 10cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete.as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)								
		Sqm							
	Missing And Broken Slab 40 %						8321.76		
						Total Quantity	8321.76	837.00	6965313.12
	Rate Analysis								
	Basic Rate	837.00							
	Total Amount	837.00							
	Providing one line dressing to granite stone slab / granite stone masonry as per specifications. as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)								
		Sqm							
	Missing And Broken Slab 40 %						8321.76		
						Total Quantity	8321.76	242.00	2013865.92
	Rate Analysis								
	Basic Rate	242.00							
	Total Amount	242.00							
	Providing Machine Cutting edges to B S Slabs 2.5cms.wide as per Specifications.(Only Chamfered length Shall be recorded)inclusive of all taxes Complete.,as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)								
		Sqm							
	Missing And Broken Slab 40 %		1	6935.00	3.00		20805.00		
						Total Quantity	20805.00	390.00	8113950.00
	Rate Analysis								
	Basic Rate	390.00							
	Total Amount	390.00							
10	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (KWPD 2021-22, V-II, Item No.8.3.1, Page No.41)								
		Sqm							
	Plastering								
			354	2.30		0.40	325.68		
						Total Quantity	325.68	337.70	109982.14
	Rate Analysis								
	Basic Rate	307.00							
	Area Weightage @10%	30.70							
	Total Amount	337.70							
11	Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.20) Approved Data rate								
		Sqm							
	New Rcc Drain 1200 cm		53				53.00		
						Total Quantity	53.00	10492.00	556076.00
	Basic Rate	10492.00							
	Area Weightage @10%								
	Total Amount	10492.00							
12	Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.9 x 0.20) Approved Data rate								
		Sqm							

Scanned with CamScanner

Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
					Total Quantity	124.00	8051.00	998324.00
Basic Rate	8051.00							
Area Weightage @10%								
Total Amount	8051.00							
Providing & laying precast drain slab of 230 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.23) Approved Data rate								
	Sqm							
Missing Slab Culverts		22	6.00	1.50		29.50		
30 % Missing						8.85		
					Total Quantity	8.85	5440.98	48152.67
Basic Rate	5440.98							
Area Weightage @10%								
Total Amount	5440.98							
Removing and resetting of kerb stones.Page No. 270								
	No's							
Ward No 69								
5th cross road		2	31.00			62.00		
2nd cross road		2	45.00			90.00		
6th cross road		2	59.00			118.00		
9th cross road		2	90.00			180.00		
10th cross road		2	92.50			185.00		
9th cross road (W0260)		2	95.00			190.00		
W0229		2	27.09			54.18		
2nd cross road (W0286)		2	21.45			42.90		
w0290		2	23.40			46.80		
10th cross road (W0294)		2	83.20			166.40		
5th cross road (w0353)								
14th cross road (w0322)		2	39.00			78.00		
2nd cross road (w0336)		2	66.30			132.60		
1st cross road (w0342)		2	115.70			231.40		
w0355-3rd cross		2	98.80			197.60		
w0357-4th cross		2	75.40			150.80		
w0361-5th cross		2	78.00			156.00		
w0363-6th cross		2	84.50			169.00		
w0367-2nd cross		2	76.70			153.40		
w0377-3rd Cross								
w0379-4th cross		2	61.10			122.20		
w0381-9th cross		2	91.00			182.00		
w0385-10th cross		2	37.05			74.10		
w0344-11th cross		2	126.75			253.50		
1st cross road		2	71.50			143.00		
w0338-8th cross		2	71.50			143.00		
w0332-7th Cross		2	70.20			140.40		
w0330-6th Cross		2	72.80			145.60		
w0328-5th cross		2	70.20			140.40		
w0316-3rd cross		2	66.30			132.60		
w0304-2nd cross		2	58.50			117.00		
w0296-1st cross		2	49.40			98.80		
L.G RAMANNA LAYOUT								
1st main road		2	323.70			647.40		
2nd main road		2	104.00			208.00		
jnannavardhaka school		2	146.25			292.50		
cross road		2	79.95			159.90		
[illegible]		2	66.30			132.60		

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Raghavendhra swamy temple road		2	109.20			218.40		
5th Cross Road(tirumala provision)		2	57.20			114.40		
2nd A cross road		2	244.40					
3rd cross road		2	45.50			488.80		
2nd cross road		2	42.25			91.00		
3rd main road		2	79.95			84.50		
3rd cross road		2	120.90			159.90		
VIDHANA SOUDHA LAYOUT						241.80		
3rd cross road		2	292.50					
Vidhanasoudha main road		2	120.90			585.00		
w0003		2	97.50			241.80		
w0005		2	127.40			195.00		
w0023-6th Cross		2	96.20			254.80		
w0018-5th cross		2	52.00			192.40		
w0012-4th cross		2	55.25			104.00		
w0008-3rd Cross		2	55.90			110.50		
w0019		2	91.00			111.80		
w0016		2	39.00			182.00		
2nd main road		2	120.90			78.00		
w0027		2	29.25			241.80		
w0029		2	22.75			58.50		
w0014		2	32.50			45.50		
w0026		2	53.95			65.00		
w0031		2	178.10			107.90		
RAJIV GANDHI NAGARA		0	0.00			356.20		
nanjundeshwara temple road		2	252.20			0.00		
3rd main road		2	326.95			504.40		
4th main road		2	321.10			653.90		
kapila nagara 5th main road		2	124.80			642.20		
Missing & Broken35 %						249.60		
						-4170.66		
						7745.52		
Data Rate	118.00					7745.52	118.00	913971.01
Total	118.00							

14 Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165mm respectively,400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork,curing including cost of materials,labour charges of machinery,loading and unloading,lead and lift,transportation etc., complete as directed by the Engineer in charge of the work (Excluding GST and Area Leading Charges)

	No's							
Missing & Broken35 %								
						4170.66		
Length/0.45						9268.14	507.00	4698946.98
Data Rate	507.00							
Total	507.00							

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces.Painting Two Coats on New Concrete Surfaces.Item No.8.1,Page No.56, Vol III SR 21-22								
	Sqm							
		1	11916.18		0.30	3574.85		
Basic Rate	85.00					3574.85	93.50	334248.85
Area Weightage @ 10%	8.50							
Total	93.50							

Construction Total Amount	4,15,24,413.41
Add GST Charges 18%	74,74,394.41
Add Detailed Project Report (DPR) and PMC Charges 2.0%	10,00,000.00
Sub Total	4,99,98,807.82
Miscellaneous and unforeseen charges etc.L.S	1,192.18
Grand Total	5,00,00,000.00

Certificate:

1. The work spot has been inspected and found to be necessary
2. The provisions made in the estimate are necessary and minimum
3. The estimate is based on CSR of 2021-22 of Issue Rates on 07.04.2022

Assistant Engineer
Ward No 69

Asst Exe Engineer
Laggere Sub Division

Executive Engineer
RR Nagar Division

For CIVIL QUALITY ... ENGINEERS

Authorised Signatory

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BRUHAT BANGALORE MAHANAGARA PALIKE

BUDGET ESTIMATES (2022-23) ABSTRACT ESTIMATE

Name of Work :Comprehensive Development of Roads & Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in W No.69 under PACKAGE- 2022-23 RRN-DIV-(13).

Sl. No	Description	Unit	42	43	Total Quantity	Rates In Rupees	Amount Rs.
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) Data Rate	Cum	12360.60	12482.64	24843.24	212.00	5266766.88
2	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key-trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work In all kinds of soils Depth upto 1.5 m Item No.1.4.1 ,Page No.4(S3 Vol.I CSR 21-22)	Cum	7624.98	7865.82	15490.80	363.56	5631835.25
3	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately).	Cum	24.43	24.43	48.85	6327.20	309096.37
4	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - 1) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.LNo 6.32 P.No 17 Volume 2 SR 2021-22	Sqm	3644.34	5193.55	8837.89	1322.20	11685460.80
5	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.Item No.8.19.1,Page No.44, Vol II SR 21-22	Sqm	3318.66	4867.87	8186.53	220.00	1801037.04
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately).Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate Item No.2.1.4,Page No.15	Sqm	329.17	486.79	815.95	6518.60	5318872.53
7	Providing B S Slabs of selected quality roughly dressed having a size of 10cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete.as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)	Sqm	8240.40	8321.76	16562.16	837.00	13862527.92
8	Providing one line dressing to granite stone slab / granite stone masonry as per specifications. as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)	Sqm	8240.40	8321.76	16562.16	242.00	4008042.72
9	Providing Machine Cutting edges to B S Slabs 2.5cms.wide as per Specifications.(Only Chamfered length Shall be recorded)inclusive of all taxes Complete..as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)	Sqm	20601.00	20805.00	41406.00	390.00	16148340.00

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	Description	Unit	42	43	Total Quantity	Rates in Rupees	Amount Rs.
10	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (KWPD 2021-22, V-II, Item No.8.3.1, Page No.41)	Sqm	325.68	325.68	651.36	337.70	219964.27
11	Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.20) Approved Data rate	No's	53.00	53.00	106.00	10492.00	1112152.00
12	Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.9 x 0.20) Approved Data rate	No's	124.00	124.00	248.00	8051.00	1996648.00
13	Providing & laying precast drain slab of 230 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.23) Approved Data rate	Sqm	8.85	8.85	17.70	5440.98	96305.35
14	Removing and resetting of kerb stones.Page No. 270	No's	5348.95	7745.52	13094.46	118.00	1545146.81
15	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165mm respectively,400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork,curing including cost of materials,labour charges of machinery,loading and unloading,lead and lift,transportation etc., complete as directed by the Engineer in charge of the work (Excluding GST and Area Leading Charges)	No's	6400.45	9268.14	15668.59	507.00	7943975.13
16	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces.Painting Two Coats on New Concrete Surfaces.Item No.8.1,Page No.56, Vol III SR 21-22	Sqm	2468.75	3574.85	6043.60	93.50	565076.51
17	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of & other appurtenances required to complete the specific all kinds of soils upto 200 mm depth. Item No.1.12 Page No.9, Vol I SR 21-22	Cum	750.34	0.00	750.34	112.46	84383.12
18	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401. Granular Sub-BasePlant Mix Method. Materia.Item No.4.1(V),Page No.19, Vol III SR-21-22	Cum	375.17	0.00	375.17	2581.70	968575.10
19	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller finishing and curing Item No.6.1 Page No.42, Vol III SR 21-22	Cum	375.17	0.00	375.17	4615.60	1731632.34

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	Description	Unit	42	43	Total Quantity	Rates In Rupees	Amount Rs.
29	Construction of un-reinforced,plain cement concrete pavement using M-30 grade using Cement 270Kgs & GGBS 90Kgs (70:30 proportion) From ISO 9001 accredited plants as per IS 4926-2003 with mix design procedure and thickness as per design,over a prepared sub base.The Super plastisiser confirming to IS9103-1999 Reaffirmed-2008,Coarse aggregates and Fine aggregates confirming to IS 383:2016, transported to site, laid in approved fixed side form work (Steel Channel,Laying and Fixing of 125 micron thick polythene film,wedges,steel plates including	Cum	375.17	0.00	375.17	7334.80	2751793.25

Construction Total Amount	83047631.39
Add GST Charges 18%	14948573.65
Add Detailed Project Report (DPR) and PMC Charges 2.0%	2000000.00
Sub Total	99996205.05
Miscellaneous and unforeseen charges etc.L.S	3794.95
Grand Total	100000000.00

TECHNICAL SANCTION

Rs: 830463431/-Rs eight crore thirty lakh sixty three thousand four hundred thirty one only/- is accorded under the head:

By CE(R.R.N.) R.N - 22-23

Registered as CE (R.R.N) No. 67/22-23 subject to conditions contained in enclosed memo No: 67/22-23 Dtd. 8/9/22

TA, DE(R.R.N.)

ನಂ.: 40/22-23 ದಿನಾಂಕ: 20/09/2022

ರೂ. 100,00,00,000/- (Ten Crores only)

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆದೇಶ ನೀಡಿದೆ.

ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಿಭಾಗ
ಬಿ.ಬ.ಪ., ಬೆಂಗಳೂರು-72

ನಂ.: ದಿನಾಂಕ:

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ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆದೇಶ ನೀಡಿದೆ.

ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಿಭಾಗ
ಬಿ.ಬ.ಪ., ಬೆಂಗಳೂರು-72

Executive Engineer
RR NAGARA Division
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEE :

Authorised Signatory

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